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RAW SEQUENCE LISTING

DATE: 02/11/2002 TIME: 14:30:53

PATENT APPLICATION: US/09/772,134B

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· · 3	<110> APPLICANT: Southern Illinois University	•
4	Lightfoot, David	
5 7	Meksem, Khalid ** <120> TITLE OF INVENTION: ISOLATED POLYNUCLEOTIDES AND POLYPEPTIDE	S RELATING TO
UNDERLYI		
8	RESISTANCE TO SOYBEAN CYST NEMATODE AND SOYBEAN SUDDEN DEATH	SYNDROME AND
9	METHODS EMPLOYING SAME	
	<130> FILE REFERENCE: 1268/4/2 <140> CURRENT APPLICATION NUMBER: 09/772,134B	
	<141> CURRENT FILING DATE: 2001-01-29	•
	<150> PRIOR APPLICATION NUMBER: 60/178,811	ERED
	<1515 PRIOR FILING DATE: 2000-01-26	
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Input Set : A:\EP.txt
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189 192 193 195 197 199 201 203 205 207 209 211 213 215 217 219 221 223 225	<pre>&lt;223&gt; OTHER INFORMATION: n is an &lt;400&gt; SEQUENCE: 13 aatgggagga gtgggaaaga cagtggctat aagtgtgctc agggacaggt tattgtgatc atcaccgaca aaattggcca acttcaaggc attggtggtt caatccettc aactttggga ttcaacaata ggcttacagg ttccatacct tctcttgacc tcagcaacaa cttgctcaca actaagcttt attggcttaa cttgagtttc ctaactcact cattttctct cactttctt cttcctaact cttggggtgg gaattccaag ctagatcata acttttcac tggtgacgtt aatgagattt cccttagtca taataagttt ctttctaggc ttaagacact tgacatttct accctctcta atttacctc acttacactg caaatccctc aaagtttagg tagattgcgt caatttagtg gacatattcc ttcaagcatt ttgtcactga ataattccta caatagcctc</pre>	ggagcttgtt cagcttcctt ctcaggaagc cttcttccca ctttctttag ggagcaatcc aactccttct tctcttcaaa aatggcttct cctgcttctt agtggagcta cataatgcct ctgaatgcag aatctttctg gcaaacattt ccagtctcct tcaggttctg	ccggaggttg ggaagggttt ttagtcttca accttagagg gtttctgcct cttatagtct ctggtccttt ataacaatct ttaggcttca tgggtagctt taccaaatga tgaatgggaa agaacaacct ttctgattt cctcgcttag ttgacagtca	ggttggaatc gaggggtcga tgataaccaa ggttcagtta ttgcttcaag tgctaattcc accagctagc ttctggctcc aatttgatc aagagagctc aataggaacc cttgcctgct ccttgacaat gagtagaaac gcagcttgat gcgcagtcta gcttgccaag	60 120 180 240 300 360 420 480 540 600 660 720 780 840 900 960 1020	or dTTP)
189 192 193 195 197 199 201 203 205 207 209 211 213 215 217 219 221 223 225 227	<pre>&lt;223&gt; OTHER INFORMATION: n is an &lt;400&gt; SEQUENCE: 13 aatgggagga gtgggaaaga cagtggctat aagtgtgctc agggacaggt tattgtgatc atcaccgaca aaattggcca acttcaaggc attggtgtt caatccettc aactttggga ttcaacaata ggcttacagg ttccatacct tctcttgacc tcagcaacaa cttgctcaca actaagcttt attggcttaa cttgagtttc ctaactcact cattttctct cacttttctt cttcctaact cttggggtgg gaattccaag ctagatcata acttttcac tggtgacgtt aatgagattt cccttagtca taataagttt ctttctagcc taagacact tgacattct accetctca atttaccc acttacactg caaatcccc aaagtttagg tagattgcgt caatttagtg gacatattcc ttcaagcatt ttgtcactga ataattcag tggagaaatt aatctctca atgttccta caatagcctc aaatttaact caagctcatt tggtggaaat</pre>	ggagcttgtt cagcttcctt ctcaggaagc cttcttccca ctttctttag ggagcaatcc aactccttct tctcttcaaa aatggcttct cctgcttctt agtggagcta aataatgcct ctgaatgcag aatctttctg gcaaacattt ccagtctcct tcaggttctg attcaactat	ccggaggttg ggaagggttt ttagtcttca accttagagg gtttctgcct cttatagtct ctggtccttt ataacaatct ttaggcttca tgggtagctt taccaaatga tgaatgggaa agaacaacct ttctgattt cctcgcttag ttgacagtca tcgggtacag	ggttggaatc gaggggtcga tgataaccaa ggttcagtta ttgcttcaag tgctaattcc accagctagc ttctggctcc aatttgatc aagagagctc aataggaacc cttgcctgct ccttgacaat gagtagaaac gcagcttgat gcgcagtcta gcttgccaag ccettcaacc	60 120 180 240 300 360 420 480 540 600 660 720 780 840 900 960 1020 1080	or dTTP)
189 192 193 195 197 199 201 203 205 207 209 211 213 215 217 219 221 223 225 227	<pre>&lt;223&gt; OTHER INFORMATION: n is an &lt;400&gt; SEQUENCE: 13 aatgggagga gtgggaaaga cagtggctat aagtgtgctc agggacaggt tattgtgatc atcaccgaca aaattggcca acttcaaggc attggtgtt caatccettc aactttggga ttcaacaata ggcttacagg ttccatacct tctcttgacc tcagcaacaa cttgctcaca actaagcttt attggcttaa cttgagtttc ctaactcact cattttctct cacttttctt cttcctaact cttggggtgg gaattccaag ctagatcata acttttcac tggtgacgtt aatgagattt cccttagtca taataagttt ctttctaggc ttaagacact tgacatttct accetecta attatcctc acttacactg caaatccctc aaagtttagg tagattgcgt caatttagtg gacatattcc ttcaagcatt ttgtcactga ataatttcag tggagaaatt aatctctca atgttccta caatagcctc aaatttaact caagctcatt tgtgggaaat ccatgtcttt cccaagctcc atcacagga</pre>	ggagcttgtt cagcttcctt ctcaggaagc cttcttccca ctttctttag ggagcaatcc aactccttct tctcttcaaa aatggcttct cctgcttctt agtggagcta aataatgcct ctgaatgcag aatcttctg gcaaacattt ccagtctcct tcaggttctg attcaactat gtcattgccc	ccggaggttg ggaagggttt ttagtcttca accttagagg gtttctgcct cttatagtct ctggtccttt ataacaatct ttaggcttca tgggtagctt taccaaatga tgaatgggaa agaacaacct ttctgattt cctcgcttag ttgacagtca tcgggtacag cacctcctga	ggttggaatc gaggggtcga tgataaccaa ggttcagtta ttgcttcaag tgctaattcc accagctagc ttctggctcc aatttgatc aagagagctc aataggaacc cttgcctgct ccttgacaat gagtagaaac gcagcttgat gcgcagtcta gcttgccaag cccttcaacc agtgtcaaaa	60 120 180 240 300 360 420 480 540 600 660 720 780 840 900 960 1020 1080 1140	or dTTP)
189 192 193 195 197 199 201 203 205 207 209 211 213 215 217 219 221 223 225 227 229	<pre>&lt;223&gt; OTHER INFORMATION: n is an &lt;400&gt; SEQUENCE: 13 aatgggagga gtgggaaaga cagtggctat aagtgtgctc agggacaggt tattgtgatc atcaccgaca aaattggcca acttcaaggc attggtgtt caatccettc aactttggga ttcaacaata ggcttacagg ttccatacct tctcttgacc tcagcaacaa cttgctcaca actaagcttt attggcttaa cttgagtttc ctaactcact cattttctct cacttttctt cttcctaact cttggggtgg gaattccaag ctagatcata acttttcac tggtgacgtt aatgagattt cccttagtca taataagttt ctttctaggc ttaagacact tgacatttct accetctca atttacctc acttacactg caaatccctc aaagtttagg tagattgcgt caatttagtg gacatattcc ttcaagcatt ttgtcactga ataatttcag tggagaaatt aatctcttca atgttccta caatagcctc aaatttaact caagctcatt tgtgggaaat ccatgtctt cccaagctcc atcacaagga catcaccatc ataggaagct aagcaccaaa</pre>	ggagcttgtt cagcttcctt ctcaggaagc cttcttcca ctttctttag ggagcaatcc aactccttct tctcttcaaa aatggcttct cctgcttctt agtggagcta aataatgcct ctgaatgcag aatcttctg gcaaacattt ccagtctcct tcaggttctg attcaactat gtcattgcc gacataattc	ccggaggttg ggaagggttt ttagtcttca accttagagg gtttctgcct cttatagtct ctggtccttt ataacaatct ttaggcttca tgggtagctt taccaaatga tgaatgggaa agaacaacct ttctgatttt cctcgcttag ttgacagtca tccccctct gtgggtacag cacctcctga tcatagtagc	ggttggaatc gaggggtcga tgataaccaa ggttcagtta ttgcttcaag tgctaattcc accagctagc ttctggctcc aatttgatc aagagagctc aataggaacc cttgcctgct ccttgacaat gagtagaaac gcagcttgat gcgcagtcta gcttgccaag cccttcaacc agtgtcaaaa aggagttctc	60 120 180 240 300 360 420 480 540 600 660 720 780 840 900 960 1020 1080 1140 1200	or dTTP)
189 192 193 195 197 199 201 203 205 207 209 211 213 215 217 219 221 223 225 227 229 231 233	<pre>&lt;223&gt; OTHER INFORMATION: n is an &lt;400&gt; SEQUENCE: 13 aatgggagga gtgggaaaga cagtggctat aagtgtgctc agggacaggt tattgtgatc atcaccgaca aaattggcca acttcaaggc attggtgtt caatccettc aactttggga ttcaacaata ggcttacagg ttccatacct tctcttgacc tcagcaacaa cttgctcaca actaagcttt attggcttaa cttgagtttc ctaactcact cattttctct cacttttctt cttcctaact cttggggtgg gaattccaag ctagatcata acttttcac tggtgacgtt aatgagattt cccttagtca taataagttt ctttctaggc ttaagacact tgacatttct accetecta attatcctc acttacactg caaatccctc aaagtttagg tagattgcgt caatttagtg gacatattcc ttcaagcatt ttgtcactga ataatttcag tggagaaatt aatctctca atgttccta caatagcctc aaatttaact caagctcatt tgtgggaaat ccatgtcttt cccaagctcc atcacagga</pre>	ggagcttgtt cagcttcctt ctcaggaagc cttcttcca ctttctttag ggagcaatcc aactccttct tctcttcaaa aatggcttct cctgcttctt agtggagcta aataatgcct ctgaatgcag aatctttctg gcaaacattt ccagttcct tcaggttctg attcaactat gtcattgcc gacataattc ctgcttttt	ccggaggttg ggaagggttt ttagtctca accttagagg gtttctgcct cttatagtct ctggtccttt ataacaatct ttaggcttca tgggtagctt taccaaatga tgaatgggaa agaacaacct ttctgatttt cctcgcttag ttgacagtca tccccctct gtgggtacag cacctcctga tcatagtagc gcctgatcag	ggttggaatc gaggggtcga tgataaccaa ggttcagtta ttgcttcaag tgctaattcc accagctagc ttctggctcc aatttgatc aagagagctc aataggaacc cttgcctgct ccttgacaat gagtagaaac gcagcttgat gcgcagtcta gcttgccaag cccttcaacc agtgtcaaaa aggagttcta aagagatctc	60 120 180 240 300 360 420 480 540 600 660 720 780 840 900 960 1020 1080 1140	or dTTP)

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/772,134B

DATE: 02/11/2002
TIME: 14:30:53

Input Set : A:\EP.txt

Output Set: N:\CRF3\02112002\I772134B.raw

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                                                                              1440
                                                                              1500
     241 gagatcatgg gaaagagcac ctatggaact gtttataagg ctattttgga ggatggaagt
     243 caagttgcag taaagagatt gagggaaaag atcactaaag gtcatagaga atttgaatca
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     245 gaagtcagtg ttctaggaaa aattagacac cccaatgttt tggctctgag ggcctattac
                                                                              1620
     247 ttgggaccca aaggggaaaa gcttctgggt tttgatacat gtctaaagga agtcttgctt
                                                                              1680
     249 ctttcctaca tggaaggttc gtgtgctggt tctttcatta aagtgttgtg tgtgctggtc
                                                                              1740
                                                                              1800
     251 tttaattata atttggagtt ttaccttagt aatctgtata attctaatcg gagaacagta
W--> 253 caaacaaaaa cacctaagga acaacacctt anctttaata taccatatca ataaagtgaa
                                                                              1860
     255 atattttctt ggtcatcttg atgcaggggg aactgaacat tcattattgg ccacaagatt
                                                                              1920
     257 aaaatageee aageettgge eegggettgt ttgeetteat teecaggaga acateataca
                                                                              1980
                                                                              2040
W--> 259 tgggaccten catecageaa tgtgtggett gatgaaaaac aaatgetaaa atteagattt
                                                                              2100
     261 tggtcttttt cgggttgatg tcaactgctg ctaattccaa cgtgatagct acagctggag
     263 cattggatac cgggcacctg agctctcaaa gctcaagaaa gcaaacacta aaactgatat
                                                                              2160
                                                                              2220
     265 ctacagtett ggtgttatet tgttagaact eetaaegagg aaateaeetg gggtgtetat
                                                                              2280
     267 gaatggacta gatttgcctc agtgggttgc ctcagttgtc aaagaggagt ggacaaatga
                                                                              2340
     269 ggtttttgat gcagacttga tgagagatgc atccacagtt ggcgacgagt tgctaaacac
     271 gttgaagete getttgeact gtgttgatee tteteeatea geaegaeeag aagtteatea
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     275 gatatogtat agcacaaatt ttgcattgat ttttttgtgc caaatgtagt aggcctacta
                                                                              2520
                                                                              2580
     277 tatatatgtt ctatgattct ttcattctta tattattttt gcctgtttga atgcttgaat
     279 ttgtacatac tcatactaca ataaggtgta gttctggtta attttacctc tacctcaaag
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     281 ctqqqqtqta attctqtttc ctccaaggca cataatagtt gaaaatagtt ctcaggagca
     283 ttcattgttt attctgcaag attctctttc acggctgcta tcttctatgc atgccctgcc
                                                                              2760
     285 cataaatgca ttatgaagaa ttgtaacggc tgtgtttttg gacttettca aaaagtttat
                                                                              2820
     287 gttattgcca ggtgtatata tcaacatgtt ttaaagattt tcaaacaatc aggttttaga
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     289 tgtgggtttg catgcatgag attggactag tgcgcttgat gtagtataaa atataaattg
                                                                              2940
     291 tocaatcaag caccototac atgtocaaat aatgggcott atgaaactta atttttaat
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W--> 293 tacaaactac agtaatcttt ttgaataaag atttacaaat tacaacngac atgtgaagcn
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W--> 295 gcatctttna ttgncaatct ttcaagttac tctattattt tctgcn
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     298 <210> SEQ ID NO: 14
     299 <211> LENGTH: 830
     300 <212> TYPE: PRT
     301 <213> ORGANISM: soybean
     303 <220> FEATURE:
     304 <221> NAME/KEY: misc_feature
     305 <222> LOCATION: (1)..(830)
     306 <223> OTHER INFORMATION: Xaa is any amino acid
     309 <400> SEQUENCE: 14
     311 Asn Gly Arg Ser Gly Lys Asp Ser Gly Tyr Gly Ala Cys Ser Gly Gly
     312 1
                                             10
     314 Trp Val Gly Ile Lys Cys Ala Gln Gly Gln Val Ile Val Ile Gln Leu
     315
     317 Pro Trp Lys Gly Leu Arg Gly Arg Ile Thr Asp Lys Ile Gly Gln Leu
                 35
                                     40
     320 Gln Gly Leu Arg Lys Leu Ser Leu His Asp Asn Gln Ile Gly Gly Ser
                                 55
     323 Ile Pro Ser Thr Leu Gly Leu Leu Pro Asn Leu Arg Gly Val Gln Leu
                             7.0
                                                 75
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RAW SEQUENCE LISTING DATE: 02/11/2002 PATENT APPLICATION: US/09/772,134B TIME: 14:30:53

Input Set : A:\EP.txt

Output Set: N:\CRF3\02112002\I772134B.raw

326	Phe	Asn	Asn	Arg	Leu	Thr	Gly	Ser	Ile	Pro	Leu	Ser	Leu	Gly	Phe	Cys
327					85					90					95	
329	Pro	Leu	Leu	Gln	Ser	Leu	Asp	Leu	Ser	Asn	Asn	Leu	Leu	Thr	Gly	Ala
330				100					105					110		
332	Ile	Pro	Tyr	Ser	Leu	Ala	Asn	Ser	Thr	Lys	Leu	Tyr	Trp	Leu	Asn	Leu
333			115					120					125			
335	Ser	Phe	Asn	Ser	Phe	Ser	Gly	Pro	Leu	Pro	Ala	Ser	Leu	Thr	His	Ser
336		130					135					140				
	Phe	Ser	Leu	Thr	Phe	Leu	Ser	Leu	Gln	Asn	Asn	Asn	Leu	Ser	Gly	Ser
	145					150					155				-	160
		Pro	Asn	Ser	Trp	Glv	Gly	Asn	Ser	Lys	Asn	Gly	Phe	Phe	Arg	Leu
342					165	- 1	_			170		-			175	
	Gln	Asn	Len	Tle		Asp	His	Asn	Phe	Phe	Thr	Glv	Asp	Val	Pro	Ala
345	01			180					185			- 1	-	190		
	Ser	T.eu	Glv		Len	Ara	Glu	Leu		Glu	Ile	Ser	Leu		His	Asn
348	UCI	Dea	195	001	LCu	**** 9	014	200					205			
	T.vc	Dha		Glv	Δla	Tle	Pro				Glv	Thr		Ser	Ara	Leu
351	цуз	210	DCI	GLY	nau	110	215	11011	014			220		001		
	Tuc		Lan	λen	τlΔ	Sar	Asn	Δcn	Δla	T.eu	Δcn		Asn	Len	Pro	Ala
	225	1111	пеп	тэр	116	230	ASII	ASII	niu	ьси	235	011	11011		110	240
		LOU	Cor	λcn	Tou		Ser	Lau	Thr	T.au		Δen	Δla	Gla	Δcn	
357	TIIT	Leu	ser	ASII	245	pėt	SET	пеа	1111	250	пси	Non	niu	Olu	255	11511
	T 011	Lou	N CD	λcn		Tlo	Pro	Cln	Sar		Ġ1v	Δrα	T.e.ii	Δrσ		T.e.ii
	ьeu	neu	изр	260	GIII	116	FIU	GIII	265	пси	GLY	nr 9	БСи	270	AJII	пси
360	Com	17 n 1	T 011		T 011	602	Arg	λcn	-	Dho	Cor	C1v	Иiс		Dro	Sar
	Ser	Val		ire	Leu	Ser	ALG	280	GIII	Pile	Ser	GTĀ	285	116	FIO	Ser
363		<b>*</b> 1.	275	1	T1.	000	Ser		7 x a	Cln	T OU	λan		Cor	Lou	λen
	ser		Ата	ASII	TTG	ser	295	ьeu	AIG	GIII	Leu	300	пеа	261	пеп	ASII
366	<b>3</b>	290	C 0 m	C1	C1	Tlo		Wa 1	Cor	Dho	λan		Cln	λνα	Sor	Lau
		Fue	ser	GIĀ	GIU	310	Pro	val	Ser	rne	315	361	GIII	ALG	361	320
	305	<b>.</b>	<b>a</b>	1	· ir 1		Tyr	7.00	Com	Lou		C1	C07	Wa I	Dro	
	ASII	Leu	ser	ASII		ser	IÀT	ASII	ser		ser	GTĀ	Ser	Vai	335	FIU
372	<b>.</b>	<b>.</b>	31.	T	325	Db.	7	C = m	00-	330	Dho	Wa I	C1**	N a n		Cln
	Leu	ьеи	Ala		гаг	ьпе	Asn	ser		ser	PIIe	vaı.	СТУ	350	116	GTII
375	_	_	<b>a</b> 1	340	<b>a</b>	D	<b>a</b>	m 1	345	<b></b>	T	C = m	<b>61</b> n		Dwa	Com
	Leu	Cys	_	Tyr	ser	Pro	Ser		Pro	Cys	ьeu	ser		Ala	PIO	ser
378			355			_	_	360	<b>~</b> 1		<b>a</b>	<b>.</b>	365	TT 2 -	TT -	** * -
	GIn		Val	He	Ala	Pro	Pro	Pro	GIU	vaı	Ser		HIS	HIS	HIS	HIS
381		370					375			_	_,	380		-1		
	_	Lys	Leu	Ser	Thr		Asp	Ile	Ile	Leu		vaı	Ala	GTĀ	vaı	
	385					390			_		395	_		_	_	400
	Leu	Val	Val	Leu		Ile	Leu	Cys	Cys		Leu	Leu	Phe	Cys		ITe
387					405			_	_	410	_				415	
	Arg	Lys	Arg		Thr	Ser	Lys	Ala		Asn	Gly	Gln	Ala		Glu	Gly
390				420					425					430	_	
	Arg	Ala		Thr	Met	Arg	Thr		Lys	Gly	Val	Pro		Val	Ala	Gly
393			435					440					445			
395	Gly	-	Val	Glu	Ala	Gly	Gly	Glu	Ala	Gly	Gly		Leu	Val	His	Phe
396		450					455					460				
398	Asp	Gly	Pro	Met	Ala	Phe	Thr	Ala	Asp	Asp	Leu	Leu	Cys	Ala	Thr	Ala

Use of n and/or Xaa has been detected in the Sequence Listing.

Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

## VERIFICATION SUMMARYDATE: 02/11/2002PATENT APPLICATION:US/09/772,134BTIME: 14:30:54

Input Set : A:\EP.txt Output Set: N:\CRF3\02112002\I772134B.raw L:253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 L:259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 L:293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 L:295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  $\texttt{L}\!:\!425~\texttt{M}\!:\!341~\texttt{W}\!:$  (46) "n" or "Xaa" used, for SEQ ID#:14 L:428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 L:431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 L:434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 L:440~M:341~W:~(46)~"n" or "Xaa" used, for SEQ ID#:14 L:443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  $L\!:\!452~M\!:\!341~W\!:$  (46) "n" or "Xaa" used, for SEQ ID#:14  $L:458\ M:341\ W:$  (46) "n" or "Xaa" used, for SEQ ID#:14 L:461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 L:473 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15 L:481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 L:493 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 L:499 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 L:501 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 L:503~M:341~W: (46) "n" or "Xaa" used, for SEQ ID#:15 L:512 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16  $L\!:\!538$  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 L:547 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17 L:553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 L:555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 L:557 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 L:559 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 L:561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 L:563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 L:565 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 L:567 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 L:569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 L:571 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 L:580 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:18 L:602 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  $\tt L:604~M:341~W:$  (46) "n" or "Xaa" used, for SEQ ID#:18 L:606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 L:608 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 L:610 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 L:621 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:19 L:639 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 L:643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 L:645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 L:647 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19  $L\!:\!649~M\!:\!341~W\!:$  (46) "n" or "Xaa" used, for SEQ ID#:19 L:651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 . L:690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 L:692 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20

L:694 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20

## . VERIFICATION SUMMARY

DATE: 02/11/2002

PATENT APPLICATION: US/09/772,134B

TIME: 14:30:54

Input Set : A:\EP.txt

Output Set: N:\CRF3\02112002\I772134B.raw

L:696 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:725 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:727 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:729 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:731 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:735 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:735 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:2035 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:58
L:2049 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:58